

AUG-30-04 07:41PM FROM-Fenwick &amp; West

415 281 1350

T-181 P.011/014 F-828

## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/826,927	04/16/2004	Richard Crandall	18602-08059

00758  
FENWICK & WEST LLP  
SILICON VALLEY CENTER  
801 CALIFORNIA STREET  
MOUNTAIN VIEW, CA 94041

Fenwick & West  
JUL 01 2004  
Received

CONFIRMATION NO. 1026

## FORMALITIES LETTER

\*OC000000013085919\*

09/01/2004 EFLGRES 00000079 192555 10826927

Date Mailed: 06/28/2004

01 FC:1001 770.00 DA  
02 FC:1201 86.00 DA  
03 FC:1202 13.00 DA  
04 FC:1051 130.00 DA

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$104 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$1004 for a Large Entity

- \$770 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.

- Total additional claim fee(s) for this application is \$104

- \$86 for 1 independent claims over 3.
- \$18 for 1 total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice MUST be returned with the reply.*

TW  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



AUG 30 04 07:39PM FROM-Fenwick & West

415 281 1350

T-181 P.005/014 F-828

**PATENT**

**IN THE UNITED STATES**

**PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Richard Eugene Crandall, et al.  
APPLICATION NO.: 10/826,927  
FILING DATE: April 16, 2004  
TITLE: FAST LOSSLESS ENCODER FOR DIGITIZED ANALOG DATA  
EXAMINER: Unassigned  
GROUP ART UNIT: 2819  
ATTY. DKT. NO.: 18602-08059

CERTIFICATE OF FACSIMILE TRANSMISSION			
I hereby certify that this correspondence, including the enclosures identified above, is being transmitted on the date shown below via facsimile to: Commissioner for Patents at the facsimile number indicated below.			
Signature:			
Typed or Printed Name:		Daniel R. Brownstone	Dated: August 30, 2004
Facsimile Number:		1-703-746-4060	

MAIL STOP MISSING PARTS  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**RESPONSE TO NOTICE TO FILE MISSING  
PARTS OF APPLICATION**

SIR:

Responsive to the Notice to File Missing Parts dated June 28, 2004 received in the above-identified patent application,

☒ Enclosed are:

- ☒ a copy of the Notice to File Missing Parts;
- ☒ an original, signed Declaration;
- ☐ a general power of attorney with original Statement under CFR 3.73(b);
- ☒ an Application Data Sheet;

18602/08059/SF/5127654.11

PATENT

☒ payment in the amount of \$ 1004.00 for the

☒ application filing fee;

☒ fee for additional claims; and

☒ missing parts surcharge.

☐ Other

☐ Applicant claims small entity status under 37 C.F.R. § 1.27.

Respectfully submitted,  
RICHARD EUGENE CRANDALL, ET AL.

Dated:

30 Aug 2004.

By:



Daniel R. Brownstone, Reg. No.: 46,581

Fenwick & West LLP

Silicon Valley Center

801 California Street

Mountain View, CA 94041

Tel.: (415) 875-2358

Fax.: (650) 938-5200

AUG-30-04

07:38PM

FROM-Fenwick &amp; West

415 281 1350

T-181 P.001/014 F-828



# FENWICK & WEST LLP

SAN FRANCISCO OFFICE | 275 BATTERY ST., SUITE 1500 | SAN FRANCISCO, CA 94111

TEL 415.875.2300 | FAX 415.281.1350 | WWW.FENWICK.COM



## FACSIMILE TRANSMISSION

### CONFIDENTIAL

DATE: August 30, 2004

CLIENT-MATTER NO.: 18602-08059

Client Ref. No. P3161

To:

NAME	FAX NO.	PHONE NO.
Commissioner for Patents	(703) 746-4060	

FROM: Daniel R. Brownstone

PHONE: (415) 875-2358

SENT BY: Tracie Brooks

PHONE: (415) 875-2482

NUMBER OF PAGES WITH COVER PAGE: 14

ORIGINAL WILL NOT FOLLOW

#### MESSAGE:

#### RESPONSE TO NOTICE OF MISSING PARTS

Applicants: Richard Eugene Crandall, et al.

App. No.: 10/826,927

Filing Date: April 16, 2004

OIPE/JCWS

SEP - 1 2004

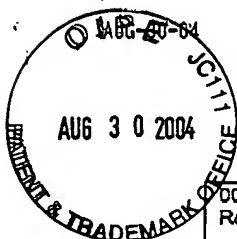
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IF YOU DO NOT RECEIVE ALL OF THE PAGES, OR IF THEY ARE NOT CLEAR,  
PLEASE CALL Tracie Brooks AT (415) 875-2482 AS SOON AS POSSIBLE.

A1000/00103/SF/5121796.1



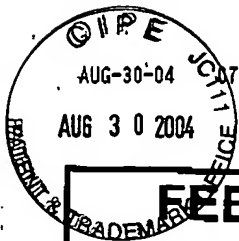
<b>TRANSMITTAL FORM</b> (to be used for all correspondence during pendency of filed application)	Application Number	10/826,927	
	Filing Date	April 16, 2004	
	First Named Inventor	Richard Eugene Crandall	
	Group Art Unit Number	2819	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission	13	Attorney Docket Number	18602-08059/US

ENCLOSURES (check all that apply)	
<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) <input checked="" type="checkbox"/> USPTO Deposit account authorization	<input type="checkbox"/> Issue Fee Transmittal
<input type="checkbox"/> Return Receipt Postcard	<input type="checkbox"/> Letter to Chief Draftsperson
<input checked="" type="checkbox"/> Response to Notice to File Missing Parts	<input type="checkbox"/> Formal Drawing(s): [ ] Sheet(s) of Figure(s) [ ]
<input type="checkbox"/> Assignment & Recordation Cover Sheet	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Declaration	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Power of Attorney	<input type="checkbox"/> Certified Copy of Priority Document(s)
<input checked="" type="checkbox"/> Application Data Sheet	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input type="checkbox"/> Copies of IDS Cited References	<input checked="" type="checkbox"/> Fax cover sheet
<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> _____
<input type="checkbox"/> Request for Correction of Recorded Assignment	<input type="checkbox"/> _____
<input type="checkbox"/> Amendment/Response: [ ] Page(s) <input type="checkbox"/> After Final	<input type="checkbox"/> _____
<input type="checkbox"/> Status Request	<input type="checkbox"/> _____
<input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/> _____
REMARKS:	

SIGNATURE OF ATTORNEY OR AGENT			
Signature:			
Attorney/Reg. No.:	Daniel R. Brownstone, Reg. No. 36,581	Dated:	August 30, 2004

CERTIFICATE OF FACSIMILE TRANSMISSION			
I hereby certify that this correspondence, including the enclosures identified above, is being transmitted on the date shown below via facsimile to: Commissioner for Patents at the facsimile number indicated below.			
Signature:			
Typed or Printed Name:	Daniel R. Brownstone	Dated:	August 30, 2004
Facsimile Number:	1-703-746-4060		

18602/08059/SF/5127652.1



AUG-30-04 17:39PM FROM-Fenwick &amp; West

415 281 1350

T-181 P.004/014 F-828

**FEE TRANSMITTAL  
for FY 2004**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 1004.00**Complete if Known**

Application Number	10/826,927
Filing Date	April 16, 2004
First Named Inventor	Richard Eugene Crandall
Examiner Name	Unassigned
Art Unit	2819
Attorney Docket No.	18602-08059

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None  
☒ Deposit Account

Deposit Account Number 19-2555

Deposit Account Name Fenwick &amp; West LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge all required fee(s) or any underpayment of fee(s) due under 37 CFR §1.16 or §1.17 during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	770
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	180	2005	80	Provisional filing fee	

**SUBTOTAL (1)** (\$ 770.00)**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
21	20** = 1	18	18.00
Independent Claims	4	3** = 1	86
Multiple Dependent			

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	88	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	88	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$ 104.00)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION** (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1804	920*	1804	920*
1805	1,840*	1805	1,840*

Fee Description

Fee Paid

1051	130	2051	65	Surcharge - late filing fee or oath	130.00
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	280	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	840	2503	320	Plant issue fee	
1480	130	1480	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(g)	
1808	180	1808	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

**SUBTOTAL (3)** (\$ 130.00)**SUBMITTED BY**

Name (Print/Type) Daniel R. Brownstone

Registration No. (Attorney/Agent) 46,581

**Complete (if applicable)**

Telephone (415) 875-2358

Signature

Date

August 30, 2004